

79. The substantially purified polypeptide of claim **77**, wherein said amino acid sequence has at least 98% sequence identity with the amino acid sequence of SEQ ID NO: 5013 or the complement thereof.

80. The substantially purified polypeptide of claim **77**, wherein said amino acid sequence is 100% identical with the amino acid sequence of SEQ ID NO: 5013 or the complement thereof.

81. A transgenic plant comprising in its genome a substantially purified nucleic acid molecule which comprises:

- (1) a 5' non-coding sequence which functions in a plant to cause the production of a mRNA molecule; which is operably linked to
- (2) a nucleotide sequence encoding a polypeptide having an amino acid sequence with at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof; which is linked to
- (3) a 3' non-translated sequence that functions in said plant to cause termination of transcription.

82. A transgenic plant comprising in its genome substantially purified nucleic acid molecule which comprises:

- (1) a 5' non-coding sequence which functions in a plant to cause the production of a mRNA molecule; which is operably linked to
- (2) a nucleotide sequence encoding a polypeptide having an amino acid sequence with at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 5013 or the complement thereof; which is linked to
- (3) a 3' non-translated sequence that functions in said plant to cause termination of transcription.

83. A transformed seed comprising a nucleotide sequence encoding a polypeptide having an amino acid sequence with at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 5012 or the complement thereof.

84. A transformed seed comprising a nucleotide sequence encoding a polypeptide having an amino acid sequence with at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 5013 or the complement thereof.

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